



## SEQUENCE LISTING

RECEIVED

FEB 07 2002

TECH CENTER 1600/2900

<110> DANA-FARBER CANCER INSTITUTE, INC.  
MARASCO, Wayne  
MHASHILKAR, Abner

<120> INTRABODY-MEDIATED CONTROL OF IMMUNE REACTIONS

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<140> PCT/US98/19563

<141> 1998-09-18

<150> 60/059,339

<151> 1997-09-19

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9/7  
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91

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ET

125/91  
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48

gtc ctg tcc cag gtg caa ctg cag cag tca ggg gct gag ctg gca aga  
Val Leu Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Ala Arg  
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96

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Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
35 40 45

144

act agt cac tgg atg cag tgg gtg aga cag agg cct gga cag ggt ctg  
Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
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192

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Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
65 70 75 80

240

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Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
85 90 95

288

aca gcc tac tta cac ctc agc agc ttg tca tct gaa gac tct gcg gtc  
Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
100 105 110

336

INS  
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 Ala Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Gly Gly Gly  
 130 135 140  
  
 ggc tcg ggc ggt ggt ggc tcg ggt ggc ggc gga tct gag ctc gtg ctc 480  
 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Leu Val Leu  
 145 150 155 160  
  
 acc caa acc cca acc tcc ctg gct ncc tct ctg gga gac aga gtc acc 528  
 Thr Gln Thr Pro Thr Ser Leu Ala Xaa Ser Leu Gly Asp Arg Val Thr  
 165 170 175  
  
 atc agt tgc agg gca agt cag gac att agc agt tat tta aac tgg tat 576  
 Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Ser Tyr Leu Asn Trp Tyr  
 180 185 190  
  
 cag cag aaa cca gat gga act att aaa ctc ctg atc tac tac aca tca 624  
 Gln Gln Lys Pro Asp Gly Thr Ile Lys Leu Leu Ile Tyr Tyr Thr Ser  
 195 200 205  
  
 aga tta tat tca gga gtc cca cca agg ttc agt ggc agt ggg gct gga 672  
 Arg Leu Tyr Ser Gly Val Pro Pro Arg Phe Ser Gly Ser Gly Ala Gly  
 210 215 220  
  
 aca gat tat tct ctc acc atc agc aac ctg gag caa gaa gat ttt gcc 720  
 Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Glu Gln Glu Asp Phe Ala  
 225 230 235 240  
  
 act tac ttt tgc caa cag ggt aat gtg att ccg tac acg ttc gga ggg 768  
 Thr Tyr Phe Cys Gln Gln Gly Asn Val Ile Pro Tyr Thr Phe Gly Gly  
 245 250 255  
  
 ggg acc aag ctg gaa atg aaa cgg gct gat gct gca cca act gta agc 816  
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Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
50 55 60  
Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
65 70 75 80  
Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
85 90 95  
Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
100 105 110  
Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
115 120 125  
Ala Tyr Trp Gly Gln Gly Thr Ser Val Thr Val Ser Ser Gly Gly Gly  
130 135 140  
Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Leu  
145 150 155 160  
Thr Gln Thr Pro Thr Ser Leu Ala Xaa Ser Leu Gly Asp Arg Val Thr  
165 170 175  
Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser Ser Tyr Leu Asn Trp Tyr  
180 185 190  
Gln Gln Lys Pro Asp Gly Thr Ile Lys Leu Leu Ile Tyr Tyr Thr Ser  
195 200 205  
Arg Leu Tyr Ser Gly Val Pro Pro Arg Phe Ser Gly Ser Gly Ala Gly  
210 215 220  
Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu Glu Gln Glu Asp Phe Ala  
225 230 235 240  
Thr Tyr Phe Cys Gln Gln Gly Asn Val Ile Pro Tyr Thr Phe Gly Gly  
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gtc ctg tcc cag gtg caa ctg cag cag tct ggg gct gag ctg aca aga 96  
Val Leu Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Thr Arg  
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Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
35 40 45

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 Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
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cag aat ttc aag ggc aag gcc aca ttg act gca gat aag tcc tcc acc 288  
 Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
 85 90 95

aca gcc tac tta cac ctg agc agc ttg tca tct gaa gac tct gcg gtc 336  
 Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
 100 105 110

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 115 120 125

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 Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
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 Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Glu Leu Val Leu  
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 Ile Thr Cys His Ala Ser Gln Asn Ile Asn Val Trp Leu Ser Trp Tyr  
 180 185 190

cag cag aaa cca gga aat att cct caa cta ttg atc tat aag gct tcc 624  
 Gln Gln Lys Pro Gly Asn Ile Pro Gln Leu Leu Ile Tyr Lys Ala Ser  
 195 200 205

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 Asn Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly Arg Gly Ser Gly  
 210 215 220

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 Thr Tyr Tyr Cys Gln Gln Gly Gln Ser Tyr Pro Leu Thr Phe Gly Gly  
 245 250 255

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 Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val Ser  
 260 265 270

INS  
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E1

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837

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Pro Gly Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Thr Phe  
35 40 45  
Thr Ser His Trp Met Gln Trp Val Arg Gln Arg Pro Gly Gln Gly Leu  
50 55 60  
Glu Trp Ile Gly Thr Ile Tyr Pro Gly Asp Gly Asp Thr Arg Tyr Thr  
65 70 75 80  
Gln Asn Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Thr  
85 90 95  
Thr Ala Tyr Leu His Leu Ser Ser Leu Ser Ser Glu Asp Ser Ala Val  
100 105  
Tyr Tyr Cys Ala Arg Asp Glu Ile Thr Thr Val Val Pro Arg Gly Phe  
115 120 125  
Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly  
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Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Val Leu  
145 150 155 160  
Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Leu Gly Asp Thr Ile Thr  
165 170 175  
Ile Thr Cys His Ala Ser Gln Asn Ile Asn Val Trp Leu Ser Trp Tyr  
180 185 190  
Gln Gln Lys Pro Gly Asn Ile Pro Gln Leu Leu Ile Tyr Lys Ala Ser  
195 200 205  
Asn Leu His Thr Gly Val Pro Ser Arg Phe Ser Gly Arg Gly Ser Gly  
210 215 220  
Thr Gly Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Gly  
225 230 235 240  
Thr Tyr Tyr Cys Gln Gln Gly Gln Ser Tyr Pro Leu Thr Phe Gly Gly  
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Glu Lys Asp Glu Leu

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9/1